

Date Mailed: June 27, 2003

Sheet 1 of 2

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 30874.0143USUI	Application Number: To be assigned <u>10/607,874</u>
	Applicant: Macken et al.	
	Filing Date: June <u>27</u> , 2003	Group Art Unit: Unknown <u>2652</u>

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>CAR</u>	6,567,239	May 2003	Hasegawa et al.			
<u>CAR</u>	5,140,481	Aug. 1992	Cain et al.			
<u>CAK</u>	4,905,110	Feb. 1990	Krum et al.			
<u>CAR</u>	6,134,076	Oct. 2000	Boutaghou et al.			
<u>CAR</u>	6,289,564	Sept. 2001	Novotny			
<u>CAK</u>	5,943,189	Aug. 1999	Boutaghou et al.			
<u>CAK</u>	5,596,461	Jan. 1997	Stefansky			
<u>CAR</u>	5,185,681	Feb. 1993	Volz et al.			
<u>CAR</u>	5,262,911	Nov. 1993	Cain et al.			
<u>CAR</u>	5,514,360	May 1996	Sleight et al.			
<u>CAR</u>	2003/0090834	May 2003	Kamarajugadda et al.			
<u>CAR</u>	6,445,541	Sept. 2002	Boutaghou et al.			
<u>CAR</u>	5,668,689	Sept. 1997	Schultz et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<u>CAR</u>	<input checked="" type="checkbox"/>	Auciello, Orlando et al. "Annual Review of Materials Science." Volume 28, 1998.
<u>CAR</u>	<input checked="" type="checkbox"/>	Sutton, Michael S. and Talghader, Joseph. "Micromachined Negative Thermal Expansion Thin Films." Department of Electrical and Computer Engineering, University of Minnesota, <u>2002</u> .
<u>CAR</u>	<input checked="" type="checkbox"/>	Kofteros, M. et al. "A preliminary study of thermal expansion compensation in cement by ZrW ₂ O ₈ additions." Department of Civil Engineering, The University of Texas at El Paso. December 5, 2000, <u>pages 369-374</u>

EXAMINER <u>C. R...</u>	DATE CONSIDERED <u>7-22-05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

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Sheet 2 of 2

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 30874.0143USUI	Application Number: For assigned 10/607,894
	Applicant: Macken et al.	
	Filing Date: June 27, 2003	Group Art Unit: Unknown 2652

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
CAR	 	Martinek, Charles A. et al. "Subsolidus Equilibria in the System," <u>Journal of the American Ceramic Society, Ceramic Abstracts</u> . March 1970. Volume 53, Number 3, Pgs 159-161.
CAR	 	Martinek, Charles et al. "Linear Thermal Expansion of Three Tungstates," <u>Journal of the American Ceramic Society, Ceramic Abstracts</u> . April 1968. Volume 51, Number 4, Pgs 227-228.
CAR	 	Ernst, G. et al. "Phonon density of states and negative thermal expansion in ZrW ₂ O ₈ " <u>NATURE</u> , November 12, 1998, Volume 396, issue no 6707 Pgs 147-149.
CAR	 	Graham, J. et al. "A New Ternary Oxide, ZrW ₂ O ₈ ," <u>Journal of the American Ceramic Society, Ceramic Abstracts</u> . November 1959. Volume 42, Number 11, Pg 570.
CAR	 	Mary, T.A., et al. "Negative Thermal Expansion from 0.3 to 1050 Kelvin in ZrW ₂ O ₈ ," <u>SCIENCE</u> . April 5, 1996, Volume 272, Number 5258. Pgs 90-92.
CAR	 	Chang, Luke L. Y. et al. "Condensed Phase Relations in the Systems ZrO ₂ -W O ₂ -WO ₃ and HfO ₂ - W O ₂ -WO ₃ ," <u>Journal of the American Ceramic Society, Ceramic Abstracts</u> . April 1967, Volume 50, Number 4, Pages 211-215.
CAR	 	Holzer, Hermann, et al. "Phase transformation and thermal expansion of Cu/ZrW ₂ O ₈ metal matrix composites." <u>Journal of Materials Research</u> . Volume 14, No. 3, March 1999, Pages 780-789.



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EXAMINER <i>C. Ruen</i>	DATE CONSIDERED 7-22-03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	